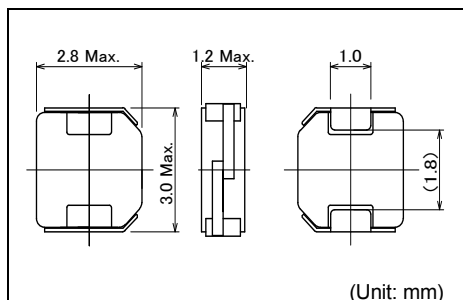
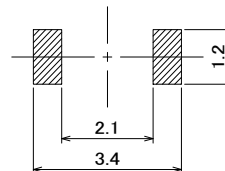


# DEM2612C

Inductance Range: 1.0~10μH


**Recommended patterns**  
 推荐焊盘尺寸


(Unit: mm)

**FEATURES 特点**

- Low profile (2.6 × 2.8 mm square, 1.2mm Max.height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- RoHS compliant
- 薄型构造（最大2.6毫米×2.8毫米的平面，最大高度1.2毫米）
- 磁性屏蔽结构和低直流电阻
- 是适用于多种DC-DC转换器电感器的理想选择
- 符合RoHS指令

**TOKO STANDARD PART NUMBERS 东光标准零件号码**
**TYPE DEM2612C (Magnetically Shielded, Quantity/reel; 2,000 PCS)**

| 东光零件号码           | 电感值 <sup>(1)</sup>             | 公差            | 最大直流电阻 <sup>(2)</sup> (典型)                    | 最大电感减小电流 <sup>(3)</sup> (典型)  | 最大温度上升电流 <sup>(3)</sup> (典型)   |
|------------------|--------------------------------|---------------|---|---|--|
| TOKO Part Number | Inductance <sup>(1)</sup> (μH) | Tolerance (%) | DC Resistance <sup>(2)</sup> (mΩ) Max. (Typ.) | Inductance Decrease Current <sup>(3)</sup> (A) Max. (Typ.)<br>$\frac{\Delta L}{L} = 30\%$ | Temperature Rise Current <sup>(3)</sup> (A) Max. (Typ.)<br>$\Delta T = 40^\circ\text{C}$ |
| 1256AS-H-1R0N    | 1.0                            | ±30           | 46 (38)                                       | 1.70 (2.20)   | 2.10 (2.50)  |
| 1256AS-H-1R5N    | 1.5                            | ±30           | 65 (54)                                       | 1.30 (1.70)   | 1.70 (2.00)  |
| 1256AS-H-2R2M    | 2.2                            | ±20           | 90 (75)                                       | 1.10 (1.40)   | 1.60 (1.90)  |
| 1256AS-H-3R3M    | 3.3                            | ±20           | 132 (110)                                     | 0.90 (1.20)   | 1.30 (1.50)  |
| 1256AS-H-4R7M    | 4.7                            | ±20           | 174 (145)                                     | 0.75 (1.00)   | 1.10 (1.30)  |
| 1256AS-H-6R8M    | 6.8                            | ±20           | 246 (205)                                     | 0.65 (0.90)   | 0.85 (1.00)  |
| 1256AS-H-100M    | 10.0                           | ±20           | 360 (300)                                     | 0.52 (0.70)   | 0.78 (0.92)  |

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.

Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。